BATRIBIKE®

ELECTRIC BICYCLES

LCD

DASH

Owner Manual

MODEL:-

DASH ☐

SERIAL NUMBER:-

PURCHASE DATE:-

		/			/				
DAY			MONTH			YEAR			

DEALER STAMP

IMPORTANT PLEASE READ THIS MANUAL FULLY PRIOR TO ASSEMBLY AND USE

For your safety and to ensure a long and trouble free life of your Batribike bicycle, check the operation of brakes, lights, bell and gears, and check tyre pressures are correct.
Also check all fasteners, including quick release mechanisms, before every ride.

Thank you for purchasing a **BATRIBIKE** Electric Bicycle

With care and correct usage your bicycle
will give many years of service.

Important

PLEASE CHARGE THE BATTERY
BEFORE FIRST USING THE BICYCLE

Even though the battery indicator will show charge this cannot be relied upon until the battery has had the initial full charge.

PACKAGE CONTENTS

1 ELECTRIC BICYCLE
1 BATTERY
1 BATTERY CHARGER with UK Mains Lead
1 MANUAL

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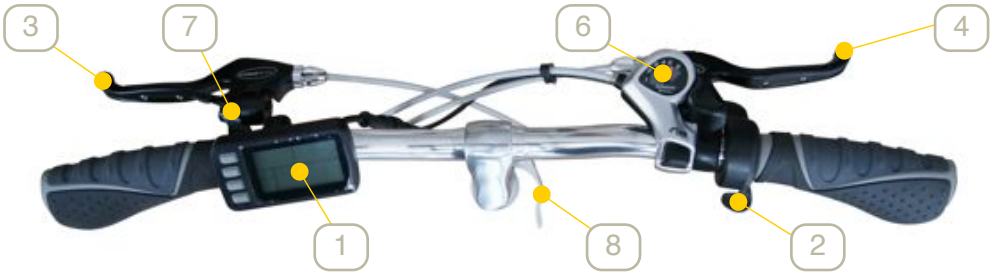
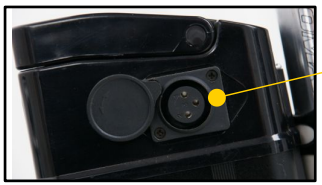


PARTS IDENTIFICATION

We continually strive to ensure that we provide you with the best possible products, therefore SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

1	LCD	12	Battery	23	Front LED Light
2	Thumb Throttle	13	Battery Meter	24	Rear LED Light
3	Rear Brake Lever	14	Charging Socket	25	Folding Pedals
4	Front Brake Lever	15	Rear Hub Motor	26	Rear Vee Brake
5	Motor Cutout Switch	16	Controller Box	27	Front Vee Brake
6	Gear Selector	17	Luggage Rack	28	
7	Bell	18	6 Speed Shimano Gears	29	Battery Power Switch
8	Handlebar Adjustment	19	Front Tyre 20 x 1.75	30	Chain Wheel 52T
9	Handlebar Folding Lock	20	Rear Tyre 20 x 1.75	31	Magnetic Fold Clip
10	Frame Folding Clamp	21	Seat Height Adjuster	32	Side Stand
11	Suspension Forks	22	Suspension Seat Post	33	Comfort Saddle

Detail view of
Battery Components



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DASH

CHARGING THE BATTERY

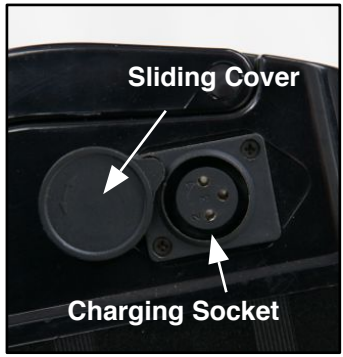
The battery can be charged on or off the bike.

To remove the battery, unlock by pushing the key and turning anti-clockwise.

Remove the Saddle

To remove the battery, unfold the handle and slide the battery upwards.

When refitting the battery ensure that it is fully seated and lock back into position using the key.



Switch off the battery at the Key Switch before charging.

Plug the charging lead into the battery.

The charging lead is plugged in to the charging socket located behind the sliding cover on the side of the battery.

IMPORTANT

It is important to plug the charger into the battery before switching on at the mains.

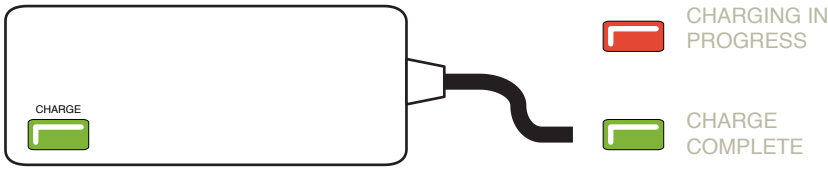
Similarly, switch off at the mains before unplugging the charger from the battery.

Plug the charger into the mains socket and switch on at the wall outlet. The light on the charger will illuminate after a few seconds.

The light will show RED whilst charging is taking place. This may take up to six hours for a flat battery.

When the battery is charged the RED light will change to GREEN.

Once charged, switch off at the wall outlet and unplug. Unplug the charging lead from the battery and rotate the sliding cover back over the charging socket.



USE ONLY THE CHARGER SUPPLIED

The battery does not have to be completely discharged before it is recharged. The Lithium battery has no "memory" and therefore can be charged at any time. It is perfectly acceptable to recharge the battery after a short ride so that the battery is fully charged before the next ride.

If your BATRIBIKE is not in use for an extended period it is imperative that you charge the battery before storage and then charge the battery once a month to prevent deterioration. When not in use, store the battery in a warm, dry place.

FAILURE TO FOLLOW THIS PROCEDURE WILL INVALIDATE YOUR BATTERY WARRANTY

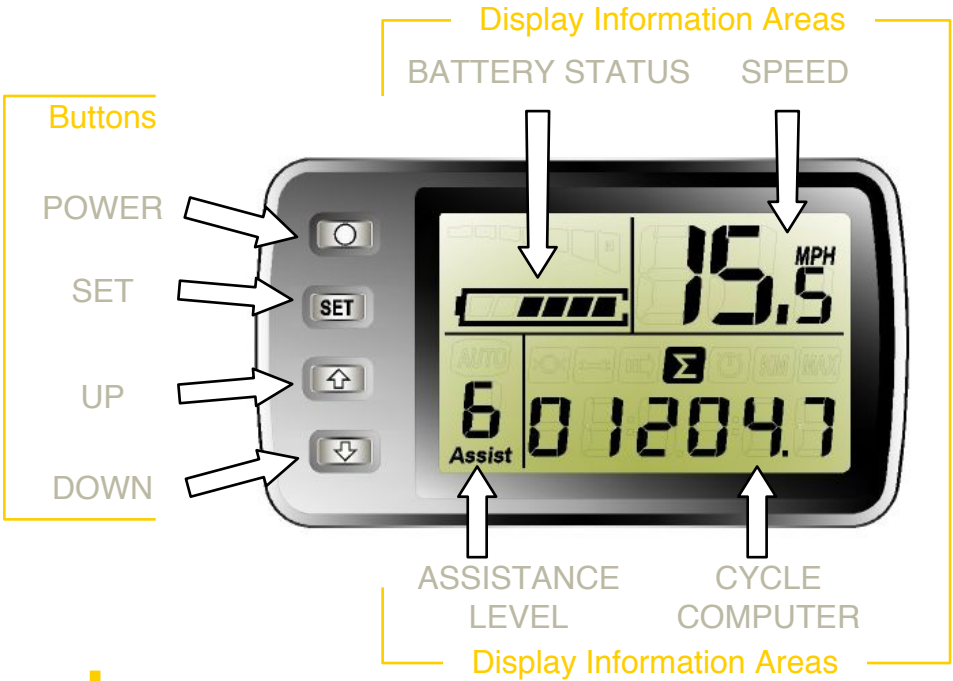
If Lithium batteries are left flat for an extended period then they may no longer be functional and a new replacement will be required.

With correct User Care as outlined above your battery should give many miles of assisted riding.

Usage

Your BATRIBIKE Electric Bicycle can be used as a normal pedal cycle by simply not switching on the battery.

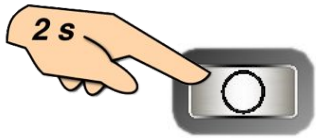
(or using in Assist Level 0 - see below)



ELECTRIC BICYCLE FUNCTIONS

Switching On

To use under electric power, switch on the battery with the key switch located on the left side of the battery. Then press the POWER button on the handlebar LCD display for two seconds.



Control Buttons

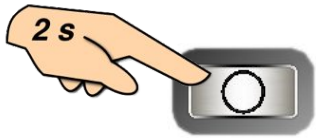
By means of the other three buttons, SET, UP and DOWN, on the handlebar mounted display unit, the various functions of the power controller and Cycle Computer can be utilised.

See the following sections for details.

Switching Off

To turn off the LCD and the power to the bike, press and hold the POWER button for 2 seconds.

If the power is left on for an extended period and the bike is not used, then the power will automatically be turned off.



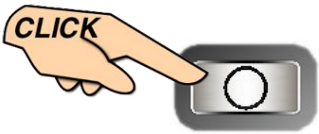
Battery Meter

The LCD shows the charge remaining in the battery in the upper left of the display. The indicators will gradually go out as the battery power is used up. Refer to the table below for details.

BATTERY METER DISPLAYS THE CHARGE REMAINING IN THE BATTERY		
SYMBOL DISPLAYED	CHARGE REMAINING	EMPTY
	80 - 100%	
	60 - 80%	
	40 - 60%	
	20 - 40%	BATTERY IS EXHAUSTED AND SHOULD BE RECHARGED AS SOON AS POSSIBLE
	10 - 20%	
	0 - 10%	

Display Backlighting - Night Mode

The LCD has a backlight for night time use. This is switched on by momentarily pressing the POWER button.

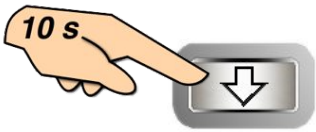


To turn the backlight off, again press the POWER button.

Speed Display

The upper right corner of the LCD will normally display the current speed of the bicycle.

This can be set to Miles per Hour (MPH) or Kilometres per Hour (KMH). The display is accurate to about 10% when the wheel size is correctly calibrated and the tyre inflated as per the manufacturers recommendations.



To change from MPH to KMH or vice versa, press the DOWN button and hold for 10 seconds. (Until the MPH or KMH indicator changes).

Wheel Size Setting

It is important to set the correct wheel size to calibrate the display so that reasonably accurate speed and distance can be shown.

The DASH model is supplied with a 20" wheel and has been set to 20.2/1590 prior to leaving the factory.

This setting should not be changed.

Pedal Assistance

There are 6 levels of pedal assistance available from the motor. Using the UP and DOWN buttons you can select from level 1 (LOW) to 6 (HIGH). The motor will then be activated upon pedalling. There is a rotation sensor located near the crank which senses when the pedals are being used.

PEDAL ASSISTANCE FROM THE MOTOR		
LEVEL	PERFORMANCE	EXAMPLE OF USAGE
6 Assist	28 miles 15.5 MPH	Provides maximum power when negotiating hills and head winds. Great when needing to simply get from A to B as fast as possible. Great for commuting to work.
5 Assist	32 miles 13 - 15 MPH	
4 Assist	40 miles 12 - 13 MPH	Normal Use Mode. These are the levels to use for everyday cycling. Gives good performance whilst maximising usable range per charge. Best for Leisure Use.
3 Assist	60 miles 9 - 12 MPH	
2 Assist	Range Not Tested 7 - 9 MPH	Use these lower power levels when negotiating busy cycle paths and crowded areas. Also use when setting off and gradually increase through the levels for a smoother performance. Ideal for negotiating obstacles.
1 Assist	Range Not Tested 5 - 7 MPH	

Please remember that the above values are provided as a guide. Due to manufacturing tolerances the speeds & distances may vary.

Weather and terrain will affect the performance. In hilly areas or when the bike is heavily loaded there will be a significant increase in the power used from the battery and hence the range will decrease accordingly. A lightly loaded bike will achieve higher performance levels. (These results were obtained by test riders in optimal conditions - 75kg rider, level ground, no wind).

Other Functions

The Display can also show diagnostic information in the event of a malfunction.

If an error occurs the display will show a SPANNER icon as shown left, together with a Service Code. Make a note of the CODE and turn off the bicycle power.

After 2 minutes turn on the power again. If the CODE re-occurs contact your dealer for assistance.

No Assistance - Normal Pedal Bicycle

If the assistance level is set to 0, (ZERO) then the motor will not be turned on. Your BATRIBIKE will now act and feel like a normal bicycle. This is useful when you are feeling fit at the start of a journey or using your bike for exercise purposes. Power is still only a button press away.

Using the Throttle - Country Specific

To activate the throttle, select AUTO mode. The "AUTO" indicator will be displayed on the LCD panel. In this mode the throttle on the right handlebar, (thumb throttle), is now live. In all other assistance levels the throttle is not functional.

You can still pedal the bike but power will not be applied until the throttle is activated. To activate, push the thumb lever downwards.

Use the throttle control gently. A small push will apply a small amount of power. Pushing more will increase the power until the control is fully rotated at which point full motor power will be applied.

Throttle assistance can also be used without pedalling.

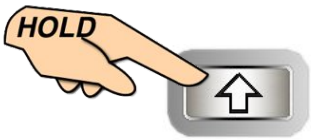
A handy way to use the throttle is to pull away from junctions, or when starting on inclines as the rider will pull away easier and is less likely to wobble. It can also be very useful for pulling out and overtaking slower cyclists smoothly and quickly.

PLEASE NOTE:

The throttle control is not activated for some countries due to legal restrictions. Please refer to your dealer for help and advice.

Launch Assist

If you want help in setting off on inclines or to get a smooth getaway at junctions and traffic lights, there is a system available whereby the motor can be applied even when no assistance is selected. This is known as Launch Assist and is activated by holding down the UP button for 2 seconds.



The motor will be switched on in low speed and will continue on until the UP button is released. The bicycle will be powered at approximately 4 MPH, (6 KMH).

The system is designed for intermittent use and should not be used for more than a few seconds at a time. If you want continuous power then one of the Assist modes should be selected.

BS EN15194 Compliance

The **BATRIBIKE DASH** conforms to BS EN15194.

For the British market, the addition of a throttle control has rendered this not compliant in some countries.

- You are recommended to seek advice from the relevant authorities in the country you are visiting before travelling.

CYCLE COMPUTER

The LCD models have useful Cycle Computer functions built in. There is a built in sensor and pickup located in the rear hub which activates the speed and distance readings.

Total Distance

The default display mode will show the TOTAL DISTANCE travelled by the bike. This cannot be reset by the user or dealer.

Depending on the units selected, the display will read in Miles or Kilometres

Changing Modes

To change the display to show the next Cycle Computer Function, simply press the SET button momentarily. Repeat until the desired mode is displayed.

Total Distance

When the TRIP DISTANCE icon is selected the lower right of the display will show the distance travelled since the last reset. This will show in Miles or Km depending on the units selected.

Trip Time

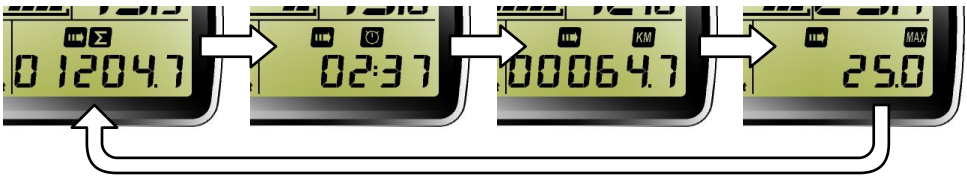
When the TRIP TIME icon is selected, the lower right of the display will show the time spent cycling since the last reset.
This will show in hours and minutes.

Maximum Speed

When the MAXIMUM SPEED icon is selected the lower right of the display will show the maximum speed reached since the last reset. This will display in Miles or Km depending on the units selected.

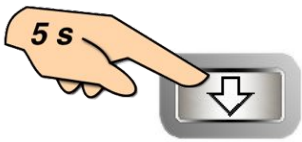
Rolling Display Mode

The display can be set to “roll” through the above values automatically. Press the SET button to select the ROLLING DISPLAY icon.



The display will change every few seconds to show each of the values in turn. TOTAL DISTANCE, TRIP TIME, TRIP DISTANCE, MAXIMUM SPEED then return to TOTAL DISTANCE to start the sequence again.

Resetting the TRIP



The TRIP functions of TIME, DISTANCE and MAXIMUM SPEED can be reset to zero by pressing and holding the DOWN button for 5 seconds. The values will be reset to zero.

The TOTAL DISTANCE will not be reset.

STANDARD BICYCLE FUNCTIONS

Gears

The **DASH** is provided with 6 speed Shimano gears. To change gear you use the right handlebar mounted selector. Gear number 1 is low for hills and rough terrain and gear 6 is high for normal road use. To increase the gear simply press the + button with your right thumb. To decrease the gear push the black lever away from you with your thumb. You must be pedalling forwards as you change gears.

Lights

Lights are provided on your **BATRIBIKE** bicycle. These are power efficient LED units which achieve a long life on each set of batteries.

SAFETY FEATURE - The power for the rear light is kept separate from the main power supply so that in the event that the battery is exhausted you will still have lights for safety.

The front light is powered by the main battery and is switched on by the black push button switch at the top of the unit.

The rear light requires 2 AA batteries.

You will require a small Philips screwdriver to take off the red lens for battery replacement. It is switched on and off by the switch on the right side of the unit.

Bell

The bell is integrated into the left brake lever. To operate the bell, pull the small lever towards the handlebar grip, then release.

Braking

To stop, release the throttle and pull the brake levers.

Side Stand

To put the bicycle on its stand:-

1) While holding the bicycle upright, push the stand to its full extent.
2) Lean the bicycle over onto the stand.

Make sure bicycle is on solid ground.

Do not sit on the bicycle whilst the stand is down. It is designed to take the weight of the bicycle and not the additional weight of the rider.

Quick Release fittings for Seat Height Adjustment

With the locking lever in the loose position, tighten the nut until finger tight. The final tightening is done by moving the lever to the locked position. To undo move the lever to the loose position to enable height adjustment.

Loose

Locked

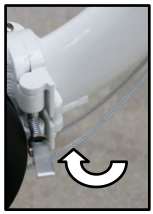
Folding the Bicycle

Fold pedals by squeezing in as per photo, and turning through 90 degrees.

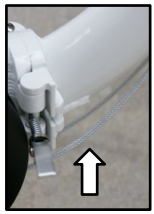
Turn the pedals to a suitable position so they are not trapped when folding the frame.

Release centre frame lock as follows:-

Flip catch



Turn to side



Lift up lever to release pin from frame

- Fold frame front to back.

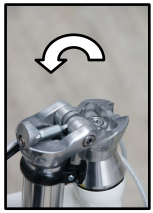
HANDLEBAR FOLDING

Loosen the clamp and fold in the direction shown. Take care not to trap the wires and cables.

Locked

Rotate black locking collar

Fold down locking lever



Allow handlebars to fold down

Reverse procedure to return bicycle to riding position.

Magnetic Clip

A magnetic clip system is provided on the front fork and lower rear frame to hold the bicycle in position when folded.

Luggage Rack

The luggage rack provided is designed to carry a maximum load of 25kg. Make sure that any items carried are securely strapped and nothing is able to get caught in the rear wheel.

All other operation of your **BATRIBIKE** Electric Bicycle is as per a normal pedal cycle.

MAINTAINANCE SCHEDULE

Maintaining your bicycle ensures you'll get the most out of every ride and out of the entire life of your BATRIBIKE electric bike. How much of your bike's maintenance you can do yourself will depend on your knowledge, skill, experience and whether you have the necessary tools for the job.

Beyond this manual, it is good to consult your BATRIBIKE dealer for advice if you are at all unsure about any of the procedures described. Normal maintenance is not covered under the warranty and this service may be chargeable.

Before every ride

- Mechanical safety checks, (see notes on page 2). Use a fully charged battery. Visual inspection for damages.

After every ride (or WEEKLY)

- Clean the bike, including chain rings and sprocket. Clean and lightly oil the chain and gears.
- This must be carried out after every ride in dusty, marine or winter conditions due to the salt laden atmosphere.

Every 20 - 30 hours of riding (or MONTHLY)

- Squeeze the brakes and rock the bike to check for any looseness of the headset or brake mechanisms with each forward of backward movement. If any are loose, have your dealer check it.
- Lift the front wheel and turn handlebars left and right to check for tightness of steering. If tightness is detected it may be necessary to lubricate bearings and/or adjust the headset.
- Check and adjust the brakes, replace if worn out.
- Squeeze spokes in adjoining pairs between your thumb and index finger.
  They all should have the same tension. Have your dealer re-spoke or true the wheel if necessary.
- Check cables for rust, kinks and fraying, have your dealer replace them if necessary.
- Check bottom bracket for play and adjust if necessary.
- Check wheel bearings for play and adjust/lubricate if necessary

After 3,000 miles (5,000 km) (or YEARLY)

- Hub motor and general inspection
  We recommend you arrange to have a thorough inspection of your bicycle by a BATRIBIKE dealer. This includes opening up the hub motor to inspect and lubricate the gears.

Tyre Pressures

The tyres should be pumped up to within the range stated on the sidewall. This should be regularly checked as running with the correct pressures will ensure maximum range from the battery.

Repairing a punctured tyre

If you have a punctured tyre, we recommend that you get a specialist to carry out the repairs. You can always of course consult a specialist and carry out the repairs on your own if you are confident that you have the necessary skills. As there are no electronic components on the front wheel, its removal follows standard procedures as with normal bicycles.

Removing the Rear Wheel

If you need to remove the rear wheel, for example, to replace the rear tyre, then the motor can be unplugged to aid disassembly. The plug is located on the lower rear arm of the frame as shown, (Left).

Take care when re-assembling the plug to ensure that the two arrows are aligned correctly.

Remember to ensure that the cable is suitably secured to the bicycle frame upon re-assembly.

Front wheel removal is simplified by the addition of a quick release spindle.

Be mindful of the tightening assembly sequence of washers, nuts and spacers during reassembly.

WARRANTY CONDITIONS

The following warranty conditions are in addition to your legal rights.

Requirements for Warranty

As the makers, we guarantee against possible material or construction defects. Provided the following conditions are satisfied :

- Please retain your receipt as this is your proof of purchase and entitlement to Warranty. The guarantee starts on the date of purchase.
- Warranty is non transferable and applies only to the original owner.
- The Frame of your new **BATRIBIKE Dash** is guaranteed for 3 years from date of purchase.
- The Motor and Electronics are guaranteed for 2 years from date of purchase.
- Other main cycle parts have a warranty of 1 year.
- The battery is covered for 1 year.

Please take note of the Battery Care information on pages 6 & 7 of this manual to ensure your battery life is maximised, and to comply with the Warranty Conditions

Exclusions from Warranty

- When the bicycle is used negligently or results in damage due to traffic accident.
- Damage ascribed to normal wear and tear.
- Poor maintenance, or modifications that no longer complies with regulations or original technical specifications.
- Damage due to external causes.
- The bicycle is put up for hire.
- The battery pack is used incorrectly or tampered with. This also applies during charging.
- Compensatory costs arising from damages or accidents.
- Cost incurred by loss of the bicycle's usage.

Brake blocks/pads, tyres, lights and cables etc. are considered as consumables and replacements are available from BATRIBIKE or may be obtained from your local cycle shop.

In the event of a Warranty claim

- In the event of warranty repairs becoming necessary you should return your bicycle to your Authorised Batribike Dealer, (where you originally purchased your Batribike).
- Original defective parts that are sent to the manufacturer for assessment will be replaced by the same or equal value part.
- Delivery and collection charges are not included. These are borne by the owner.
- Fallowgate Limited exclusively makes the decision whether or not the warranty applies.

Please consider the environment before disposing of any part of your Batribike Electric Bicycle.

The Battery Pack contains Lithium and Special Consideration should be given to its safe disposal. Your Local Authority should have the necessary facilities in place.

If you prefer you may take your original battery to BATRIBIKE for recycling.

Never dispose of batteries in a fire or subject to puncture or crushing.

Technical Specifictaion DASH

Frame Size	37 cm (14.5 inches)	Power Delivery	Pedal, Thumb Throttle ** or Launch Assist Button	Lights	Front - LED light powered by main battery
Frame Material	Aluminium Alloy	Sensor	Rotation Sensor		Rear - LED light requires 2 x AA batteries
Colour	White	Range (motor only)	up to 24 miles (Auto) at 15 mph	Saddle Height	79 - 94 cm (31 - 37 inches)
Weight (inc. all fittings, rack, mudguards etc)	22.5 kg (49.6 lbs) inc. battery	Range (pedal assist)	28 miles (level 6) at 15 mph 40 miles (level 4) at 12 to 15 mph 60 miles (level 3) at 9 to 12 mph	Note - the min height can be reduced by purchasing a seat post without suspension	
	19.1 kg (42.1 lbs) battery removed			Overall Length	160 cm (63 inches)
				Overall Height	110 cm * (43.25 inches)
Battery	Lithium	Gears	6 speed Shimano index	Step-Thru Height	34 cm (13.5 inches)
Battery Power	36V 11Ah	Brakes	Powerful Vee Brakes Front and Rear	Wheelbase	107 cm (42.25 inches)
		Wheels	20"	Max Rider Weight	120 kg (18 st 10 lbs)
Motor	250W rear hub brushless	Forks	Suspension	Security	Battery locks on to frame with unique key
Speed	Up to 15 mph (25 kmh)	Seat	Velo Plush Saddle with suspension seat post (ø27.2 mm)	Rider Protection	Mudguards and chainguard fitted as standard
Power System	Cycle only or Multi-Mode Power Pedal assist (6 power levels) Switchable throttle ** (Auto) Launch Assist 6kmh (4 mph)	Stand	Sturdy side stand		
		Rear Rack	Aluminium Alloy rack	Folded Size	86 x 64 x 39 cm (34 x 25 x 15.5 inches)
				Note * Overall Height will increase up to 122 cm (48 inches) when adjustable handlebars are set to maximum height Note ** Throttle fitment is Country Specific	

(All distances quoted on flat ground with a 75 kg (12 stone) rider)

www.batribike.com

BATRIBIKE
ELECTRIC BICYCLES

A BRITISH COMPANY

BATRIBIKE Electric Bicycles are exclusive to:-

Fallowgate Limited
Kellaway House
Marton Road
Sturton-by-Stow
Lincoln
LN1 2AH
Phone: 01427 787774
E-mail: support@batribike.com

Fallowgate LIMITED

BEBA
British Electric Bicycle Association
Member

BATRIBIKE are Full Members of the British Electric Bicycle Association